

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

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1. Identification of the substance/preparation and of the company/undertaking

Trade name: ALU-FIX kangaroo-oil

Supplier: Gerd Eisenblätter GmbH

Jeschkenstraße 10
82538 Geretsried
Telefon: + 49 (0) 8171/9384-0

Emergencies: +49 (0) 8171 / 9384 - 0

2. Composition / Information on ingredients

Chemical characteristics:

Mineral oil-based formulation. Mineral oil with DMSO extract < 3 % as measured by IP 346.

Dangerous ingredients:

Name	EINECS	Weight %	Labelling
hexadec-1-ene	211/105/8 629-73-2	10 – 20	Xn, R 65
O,O,O- triphenyl phosphorothioate	209-909-9 597-82-0	1 – 2,5	R 53

The text of the R-phrases is shown in section 16.

3. Hazards identification

Preparation is classified as non-hazardous in the sense of directive 1999/45/EC

4. First aid measures

General instructions

In all cases of doubt, or when symptoms persist, seek medical advice.

In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

Remove contaminated clothing immediately and dispose off safely.

After inhalation : Move victim to fresh air. Put victim at rest and keep warm.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes : Rinse immediately carefully and thoroughly with eye-bath or water.
In case of eye irritation consult an ophthalmologist.

After ingestion : If swallowed, rinse mouth with water (only if the person is conscious).
Consult physician immediately. Keep victim calm. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed:

In all cases of doubt or when symptoms persist, seek medical advice.

Indication of any immediate medical attention and special treatment needed.

Treatment: No information available.

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5. Fire-fighting measures

- Suitable extinguishing media : alcohol resistant foam, extinguishing powder, carbon dioxide.
 Extinguishing media that must not be used for safety reasons : High power water jet
 Liberating gases : Dense black smoke occurs during fire. Hazardous decomposition products: carbon monoxide, carbon dioxide. Inhaling hazardous decomposing products can cause serious health damage.
 Special protective equipment : In case of fire: Wear self-contained breathing apparatus.
 Additional information : Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release (Spill containment measures)

- Environmental precautions : Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.
 Cleaning / Take-up-processes :: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

7. Handling and storage

- Handling:
 Instructions for safe handling : Follow the legal protection and safety regulations. Do not eat, drink or smoke when using this product. Open and handle container with care. Provide for good room ventilation. Avoid the formation of aerosol.
 Storage:
 Requirements for storage rooms: Protect against: frost. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

8. Exposure controls / personal protection

Ingredients with limiting values to be controlled:

Name	EINECS	Type	mg/m ³	Notation
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- Respiratory protection : When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used.
 Hand protection : For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber). Breakthrough times and swelling properties of the material must be taken into consideration. Recommended glove articles: DIN EN 374. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.
 Eye protection : Wear closely fitting protective glasses in case of splashes.
 Body protection : Protective clothing.
 General protection and Hygienic measures : After contact clean skin thoroughly with water and soap or use appropriate cleanser. When using do not eat, drink, smoke, sniff.
 Environmental exposure controls: Do not allow to enter into surface water or drains (refer to chapter 7). No further action is necessary.

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9. Physical and chemical properties

Form: liquid
Colour: yellow
Odour: typical

Safety relevant data:

Boiling point: n.b.
Vapour pressure < 0.1 mbar
Flash point: 175°C
Pourpoint: n.b.

Explosion hazard

lower explosion limit: 0,4 Vol-%
upper explosion limit: 4,5 Vol-%

Density: 0.87 g/cm³
Solubility: insoluble
pH (100 g/l H₂O, 20°C) n.a.
Viscosity: 15 mm²/s (40°C)
VOC: 0,0

10. Stability and reactivity

Thermal decomposition: No hazardous decomposition products known when use as directed.
Hazardous reactions: No hazardous reactions known.
Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological information

Acute toxicity : Toxicological data are not available.
Irritant and corrosive effects : Toxicological data are not available.
Sensitisation : Toxicological data are not available.
Specific target organ toxicity : Toxicological data are not available.
Aspiration hazard : Toxicological data are not available.
CMR effects : Toxicological data are not available.
(carcinogenicity, mutagenicity and toxicity for reproduction)

Practical experience

Other observations : Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the peronnel.
Prolonged / repetitive skin contact may cause skin defatting or dermatitis.

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

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12. Ecological information

Overall evaluation	: There is no information available on the preparation itself. Do not allow to enter into surface water or drains.
Toxicological effects	: No information available.
Persistence and degradability	: Toxicological data are not available.
Bioaccumulative potential	: Toxicological data are not available.
Bioconcentration factor (BCF)	: Toxicological data are not available.
Mobility in soil	: Toxicological data are not available.
Results of PBT and vPvB assessment	: The components in this formulation do not meet the criteria for classification as PBT or vPvB
Other adverse effects	: The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Recommendation	: Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and in the Corresponding versions, covering waste and dangerous waste.
Control report for waste code/ waste marking according to EAKV: 120107 mineral-based machining oils free of halogens (except emulsions and solutions)	
Contaminated packaging: Recommendation	: Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

Land transport	: No dangerous goods regulations acc. to ADR/RID and GGVS/E
Sea transport	: No dangerous goods regulations acc. to IMDG/GGVSee
Aircraft transport	: No dangerous goods regulations acc. to ICAO/IATA

15. Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture	
EU legislation	
National regulations	
Chemical Safety Assessment	: Chemical safety assessments for substance in this preparation were not carried out.

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16. Other information

Wording of the R-phrases specified in chapter 3 (not the classification of the preparation)

Xn; R 65 Harmful
 May cause lung damage if swallowed.
 May cause long-term adverse effects in the aquatic environment.

n.a. not applicable

ADR Accord européen relative au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Transport of Dangerous Goods by Road)

RID Règlement international concernant le transport des marchandises dangereuses par Chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG International Maritime Code for Dangerous Goods

IATA International Air Transport Association

ICAO International Civil Aviation Organization

GHS Globally Harmonized System of Classification and Labelling of Chemicals

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.